

Message Text

CONFIDENTIAL

PAGE 01 STATE 107919
ORIGIN EB-08

INFO OCT-01 EUR-12 ISO-00 DODE-00 NSAE-00 ICA-11
TRSE-00 SOE-02 DOE-15 CIAE-00 COME-00 /049 R

DRAFTED BY EB/ITP/EWT - RPRACHT
APPROVED BY EB/ITP/EWT - RPRACHT
COMMERCE/OEA - RGAREL
RPE

-----084247 281104Z /13

R 272055Z APR 78
FM SECSTATE WASHDC
TO AMEMBASSY PARIS

C O N F I D E N T I A L STATE 107919

USOECN, EXCON

E.O. 11652: XGDS-1

TAGS: ESTC, COCOM, GW, RO

SUBJECT: GERMAN EQUIPMENTS AND MATERIALS FOR MANUFACTURE
OF HIGH POWER THYRISTORS TO ROMANIA -- IL 1355/1757

REF: COCOM DOC (78) 254

IN THE ONGOING TECHNICAL EVALUATION OF THIS TRANSACTION, IT
HAS BECOME CLEAR THAT ADDITIONAL INFORMATION MUST BE
REQUESTED AS FOLLOWS:

(A) WHAT ARE THE DETAILED SPECIFICATIONS FOR THE DIFFUSION
FURNACES, ITEMS 7 AND 18; SPECIFICALLY:

(1) WHAT TYPE OF CONTROL IS USED?

(2) WHAT IS THE MAXIMUM TUBE INSIDE DIAMETER?

CONFIDENTIAL

CONFIDENTIAL

PAGE 02 STATE 107919

(3) WHAT IS THE LENGTH OF THE THERMAL FLAT ZONES AND WHAT
ACCURACY OF TEMPERATURE REGULATION IS OBTAINED WITHIN THE
FLAT ZONE?

(B) WHAT MODE OF OPERATION IS EMPLOYED WITH THE TEST
APPARATUS DESCRIBED IN ITEMS 27, 30, 38, AND 41 -- MANUAL,

AUTOMATIC, OR COMPUTER CONTROLLED?

(C) WHAT ARE THE DETAILED SPECIFICATIONS FOR THE TEST APPARATUS IN ITEM 27 USED IN MEASURING DEVICE GATE CURRENT AND GATE VOLTAGE.

(D) WHAT TYPE OF EVAPORATION SOURCE IS EMPLOYED IN THE HIGH VACUUM VAPOR DEPOSITION EQUIPMENT, ITEM 52, RESISTANCE ELEMENT, ELECTRON BEAM, OR SPUTTERING?

(E) PAGE 4 OF THE ATTACHED BROCHURE IS UNDERSTOOD TO STATE THAT MACHINE DRAWINGS WILL BE SUPPLIED FOR THE ROMANIAN PROCUREMENT OR CONSTRUCTION OF SILK SCREENING MACHINES, SAND BLASTING EQUIPMENT, EVAPORATION EQUIPMENT AND GALVANIZATION EQUIPMENT. IS THIS UNDERSTANDING CORRECT? IF CORRECT, WILL THE MACHINE DRAWINGS BE DETAILED SUFFICIENTLY TO ALLOW FULL ROMANIAN MANUFACTURE OF THE EQUIPMENT?

(F) WHAT TYPE OF TECHNICAL ASSISTANCE WILL BE GIVEN TO THE END USER DURING THE STATED TWO YEAR PERIOD?

(G) WHAT LEADS THE GERMAN AUTHORITIES TO UNDERSTAND THAT THE MACHINES AND MATERIALS CANNOT BE USED FOR THE MANUFACTURE OF OTHER TYPES OF THYRISTORS OR SEMICONDUCTOR DEVICES?

CONFIDENTIAL

CONFIDENTIAL

PAGE 03 STATE 107919

(H) WHAT IS THE ANTICIPATED ANNUAL PRODUCTION GOAL FOR THE SPECIFIED THYRISTOR TYPES IN TERMS OF NUMBERS OF DEVICES PRODUCED PER YEAR? VANCE

CONFIDENTIAL

NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01 jan 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: STRATEGIC TRADE CONTROLS, EXPORT LICENSES
Control Number: n/a
Copy: SINGLE
Draft Date: 27 apr 1978
Decaption Date: 01 jan 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 20 Mar 2014
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1978STATE107919
Document Source: CORE
Document Unique ID: 00
Drafter: RPRACHT
Enclosure: n/a
Executive Order: X1
Errors: N/A
Expiration:
Film Number: D780182-0022
Format: TEL
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1978/newtext/t1978049/aaaaagsc.tel
Line Count: 97
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: 53fdeb5-c288-dd11-92da-001cc4696bcc
Office: ORIGIN EB
Original Classification: CONFIDENTIAL
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 2
Previous Channel Indicators: n/a
Previous Classification: CONFIDENTIAL
Previous Handling Restrictions: n/a
Reference: n/a
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 18 may 2005
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 3065104
Secure: OPEN
Status: NATIVE
Subject: GERMAN EQUIPMENTS AND MATERIALS FOR MANUFACTURE OF HIGH POWER THYRISTORS TO ROMANIA -- IL 1355/1757
TAGS: ESTC, GE, RO, COCOM
To: PARIS
Type: TE
vdkgwkey: odb://SAS/SAS.dbo.SAS_Docs/53fdeb5-c288-dd11-92da-001cc4696bcc
Review Markings:
Sheryl P. Walter
Declassified/Released
US Department of State
EO Systematic Review
20 Mar 2014
Markings: Sheryl P. Walter Declassified/Released US Department of State EO Systematic Review 20 Mar 2014